

Center for Magnetism in Information Technology

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Background

The center was established in 1995 to produce superior magnetic materials including permanent magnets and magneto-resistive materials, which would have applications in numerous markets including products such as motors, sensors, magnetic storage media, and electromagnetic circuitry.

Technology Development Progress

- Permanent magnetic materials: production of high corrosion resistance rare earth materials. Efficient processing for the production of permanent magnetic materials. High temperature rare earth permanent magnetic materials.
- Magneto-resistive materials, anisotropic magnetoresistive materials and contactless sensors, readout heads for computer data storage.
- Magnetics computer aided design software.

Highlights and Accomplishments

- An agreement has been signed between the center and a Utah company, for the company to manufacture high corrosion resistance rare-earth materials using center technology.
- The center is collaborating with the Idaho National Engineering Laboratory (INEL) to develop efficient processing for permanent magnetic materials.
- The center is also working with a Utah company to manufacture flexible magnetic materials.
- The center is working with a Utah company to develop a new type of sensor for applications in the automotive industry.



CENTER FOR MAGNETISM IN
INFORMATION TECHNOLOGY

Summary Data:

Current

| | |
|--------------------------|-----------|
| 1995-96 Award | \$100,000 |
| Matching Funds | 415,000 |
| Patents Pending | 0 |
| Patents Issued | 0 |
| License Agreements | 2 |
| Spin-off Companies | 0 |
| Companies Assisted | 2 |
| Industry Jobs | 0 |
| Center Jobs | 5 |

Cumulative

| | |
|--------------------------|-----------|
| Awards | \$105,000 |
| Matching Funds | \$415,000 |
| Patents Issued | 0 |
| License Agreements | 2 |
| Spin-off Companies | 0 |